

REMARKS/ARGUMENTS**Status of Claims:**

Claims 1-5 are pending in the subject application. Claims 1-5 were rejected.

By this amendment:

Claims 1, 3-5 have been amended. Claim 2 has been canceled. Claims 6-14 have been added.

Applicant's response to Patent Office objection to drawings under 35 CFR § 1.83(a):

By this amendment, the elements claimed in amended claim 1 and new claim 6 are now shown in the drawings as originally filed. Thus, as claimed in amended claim 1, the frequency synchronizer system, comprises:

means for determining (20) a corrected frequency offset value (22) from a first product of a sample signal (18) and an estimated frequency correction factor (24);

means for filtering (26) a first sample of said corrected frequency offset value (22) to obtain a filtered corrected frequency offset value (28);

means for imparting a delay (32) to a second sample of said corrected frequency offset value (22) to obtain a delayed corrected frequency offset value (33);

means for transforming (29) into a conjugate product value (30) said filtered corrected frequency offset value (28);

means for determining (34) a delay conjugate value (36) from a third product of said delayed corrected frequency offset value (33) and said conjugate product value (30);

means for determining (38) an error signal (40) from said delay conjugate value (36);

means for determining (42) a frequency offset value (44) from said error signal (40); and

means for determining (46) an updated value of said estimated frequency correction factor (24) from said frequency offset value (44).

Patent Office rejection of claims 1-5 under 35 U.S.C. § 112, first paragraph:

Claims 1-5 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement.

Applicant's response to rejection of claims 1-5 under 35 U.S.C. § 112, first paragraph:

Claims 1, 3-5 have been amended and claim 2 has been canceled.

New claims 6-14:

Support for new claims 6-14 is found in the specification as originally filed on pages 5-9 and Figure 2.

Conclusion:

Applicants have amended the application in anticipation of a favorable reconsideration and examination.

Respectfully submitted,

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